



**CAS Registry Number:** 1738-36-9

**Molecular Formula:** C<sub>3</sub>H<sub>5</sub>NO

**Molecular Weight:** 71.079

**Accurate Mass:** 71.037114

**Percentage Composition:** C 50.69%; H 7.09%; N 19.71%; O 22.51%

**Use/Importance:** Synthetic reagent

**Boiling Point:** Bp 120°

**Solubility:** Insol. H<sub>2</sub>O

**Density:** d<sub>4</sub><sup>28</sup> 0.94

**Aldrich:** M900-9

**Fluka:** 64690

>> **Derivative:** Anhydride

**CAS Registry Number:** 19500-95-9

**Molecular Formula:** C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>

**Molecular Weight:** 162.142

**Accurate Mass:** 162.052825

**Percentage Composition:** C 44.45%; H 6.22%; O 49.34%

**Boiling Point:** Bp<sub>20</sub> 124-128°

#### References:

*Aldrich Library of 13C and 1H FT NMR Spectra*, 1992, **1**, 815B; 1047A; 1372A, (*nmr*)

*Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **1**, 517B; 666A; 666B; 853A, (*ir*)

*Aldrich Library of FT-IR Spectra: Vapor Phase*, 1989, **3**, 595B; 721C; 721D; 810D, (*ir*)

*Org. Synth., Coll. Vol.*, 2, 1943, 387, (*nitrile*)

Bennington, F. *et al.*, *J.O.C.*, 1961, **26**, 194, (*chloride*)

Schoellkopf, U. *et al.*, *Tet. Lett.*, 1964, 1503, (*synth*)

*Fieser and Fieser's Reagents for Organic Synthesis*, Wiley, 1975, **5**, 436, (*nitrile*)

Simchen, G. *et al.*, *Synthesis*, 1975, 605, (*nitrile*)

*Ger. Pat.*, 1979, 2 759 169; *CA*, **91**, 174831, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MDW275